



**IN THE CLAIMS**

Claims 2-3 are pending in this application. Please amend claim 3 as follows:

1. (Canceled)
2. (Previously Presented) A method for purifying semiconductor nanoparticles, comprising the steps of:
  - modifying semiconductor nanoparticles with oil-soluble materials for surface modification;
  - converting the oil-soluble materials for surface modification into water-soluble materials for surface modification at the interface between an organic solvent and water;
  - shifting the semiconductor nanoparticles from an organic phase to an aqueous phase by the conversion; and then
  - subjecting the semiconductor nanoparticles, the surfaces of which have been modified with the water-soluble materials for surface modification, to size-selective photoetching, wherein the surface of the semiconductor nanoparticles is dissolved and peeled by the size-selective photoetching, and particle sizes of the semiconductor nanoparticles are regulated and the semiconductor nanoparticles are monodispersed by the dissolution.
3. (Currently Amended) A method for purifying semiconductor nanoparticles, comprising the steps of:
  - modifying semiconductor nanoparticles with oil-soluble materials for surface modification;
  - converting the oil-soluble materials for surface modification into water-soluble materials for surface modification at the interface between an organic solvent and water;
  - shifting the semiconductor nanoparticles from an organic phase to an aqueous phase by the conversion; and then
  - subjecting the semiconductor nanoparticles, the surfaces of which have been modified with the water-soluble materials for surface modification, to size-selective photoetching, whereby the dissolution caused thereby is utilized to peel the surface

of the semiconductor nanoparticles, thereby converting the materials for surface modification. ~~wherein the surface of the semiconductor nanoparticles is dissolved and peeled by the size-selective photoetching, and the materials for surface modification is converted by the dissolution.~~